

REMARKS/ARGUMENTS

Claims 1-20 are pending in the application. Claims 1-6, 9-14, and 17-19 have been amended. Reconsideration is respectfully requested. Applicants submit that the pending claims 1-20 are patentable over the art of record and allowance is respectfully requested of claims 1-20.

Claims 4, 12, and 18 are rejected under 35 U.S.C. 112, second paragraph, for in sufficient antecedent basis. Claims 4, 12, and 18 have been amended to overcome the rejection.

Claims 9-16 are rejected under 35 U.S.C. 101 as being directed to non-statutory subject matter. Applicants respectfully traverse, but, in order to expedite prosecution, Applicants have amended claim 9 to recite an article of manufacture embodied as one of a computer readable storage medium and hardware logic. Applicants Specification, page 18, paragraph 47 describes:

The term "article of manufacture" as used herein refers to code or logic implemented in hardware logic (e.g., an integrated circuit chip, Programmable Gate Array (PGA), Application Specific Integrated Circuit (ASIC), etc.) or a computer readable medium, such as magnetic storage medium (e.g., hard disk drives, floppy disks,, tape, etc.), optical storage (CD-ROMs, optical disks, etc.), volatile and non-volatile memory devices (e.g., EEPROMs, ROMs, PROMs, RAMs, DRAMs, SRAMs, firmware, programmable logic, etc.).

Thus, Applicants respectfully request withdrawal of the 35 U.S.C. 101 rejection.

Claims 1-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Ingersoll et al. (U.S. Patent 7,047,488). Applicants respectfully traverse, but, in order to expedite prosecution, Applicants have amended certain claims.

Anticipation requires that the identical invention must be shown in a single reference in as complete detail as is contained in the claims. Richardson v. Suzuki Motor Co., 9 USPQ2d 1913, 1920 (Fed. Cir. 1989).

Amended claims 1, 9, and 17 describe registering a schema and one or more associated schema documents; automatically generating a schema information document based on the schema and the one or more associated schema documents, wherein the schema information document formalizes and records meta-information of the schema, wherein the meta-information of the schema includes identification of a primary schema document, identification of other associated schema documents, and how the primary and the other schema documents are related to each other (e.g., Specification, page 9, paragraph 26); and processing a request to be performed on at least one of the schema and an associated schema document using the schema information document (e.g., Specification, page 13, paragraph 30).

On the other hand, the Ingersoll patent describes using one or more commonly accessible registries to transform electronic commerce documents among dissimilar interfaces, preferably XML documents (Abstract).

Applicants respectfully submit that the Ingersoll patent does not show the identical invention as claimed in amended claims 1, 9, and 17. For example, the Ingersoll patent does not anticipate automatically generating a schema information document based on the schema and the one or more associated schema documents, wherein the schema information document formalizes and records meta-information of the schema, wherein the meta-information of the schema includes identification of a primary schema document, identification of other associated schema documents, and how the primary and the other schema documents are related to each other and processing a request to be performed on at least one of the schema and an associated schema document using the schema information document.

Dependent claims 2-8, 10-16, and 18-20 each incorporate the language of one of independent claims 1, 9, and 17 and add additional novel elements. Therefore, dependent claims 2-8, 10-16, and 18-20 are not anticipated by the Ingersoll patent for at least the same reasons as were discussed with respect to claims 1, 9, and 17.

In addition, amended claims 2 and 10 describe storing an identifier for the schema, wherein the identifier includes a three-part composite key and a unique name, wherein the three-part composite key includes a target namespace and a schema location and storing identifiers for each of the one or more associated schema documents, wherein each identifier includes a three-part composite key (e.g., Specification, page 7, paragraph 18).

Amended claims 3 and 11 describe wherein at least one part of the three-part composite key includes a version identifier that is independent of a primary schema document, wherein versioning of the schema is capable of being independent of versioning of the associated schema documents (e.g., Specification, page 8, paragraph 23).

Amended claims 4, 12, and 18 describe when a copy of the schema document has already been stored, discarding the schema document, wherein it is determined that the copy of the schema document has already been stored by determining that the schema document to be stored and a schema document that has already been stored have a same target namespace, a same schema location, and same content, and when the schema document to be stored and a schema document that has already been stored have a same target namespace, a same schema location, and different content, storing the schema document with a version identifier (e.g., Specification, page 15, paragraphs 36-37).

Amended claims 5, 13, and 19 describe deregistering the schema according to deregister rules associated with the schema when the schema is registered (e.g., Specification, page 16, paragraph 39).

Amended claims 6 and 14 describe, when there is one matching schema, returning the matching schema; when there are multiple matching schemas, applying a filter to identify one matching schema; and, when there is no matching schema, applying at least one of a user-defined technique and a system defined technique to find a matching schema, wherein information in the schema information document is used to locate associated schema documents when the schema has been identified (e.g., Specification, page 17, paragraph 42).

Conclusion

For all the above reasons, Applicants submit that the pending claims 1-20 are patentable. Should any additional fees be required beyond those paid, please charge Deposit Account No. 09-0460.

The attorney of record invites the Examiner to contact her at (310) 553-7973 if the Examiner believes such contact would advance the prosecution of the case.

Dated: December 27, 2007

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